

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-28. (Canceled)

29 (Currently amended). A purified antibody which specifically binds to a *patched-2* polypeptide (1) ~~having greater than 91% sequence identity to the human *patched-2* polypeptide of Figure 1 (SEQ ID NO:2) as measured by BLAST 2 set to the default parameters or to a variant thereof having from 1 to 5 conservatively substituted, added or deleted amino acid residues,~~ and (2) which binds to hedgehog polypeptide. ~~[page 49, lines 33-36]~~

30 (Currently amended). The antibody of Claim 29, wherein the *patched-2* polypeptide comprises amino acid residues 1 to 1203 of ~~Figure 1 (SEQ ID NO:2).~~

31 (Currently amended). The antibody of Claim 29, wherein the ~~sequences identity is at least 92%~~ variant has one conservatively substituted, added or deleted amino acid residue.

32 (Currently amended). The antibody of Claim ~~29~~31, wherein the ~~sequence identity is at least 93%~~ the variant has one added or deleted amino acid residue.

33 (Currently amended). The antibody of Claim ~~29~~31, wherein the ~~sequence identity is at least 95%~~ the variant has one conservatively substituted amino acid residue.

34 (Previously presented). The antibody of Claim 29 which is polyclonal.

35 (Previously presented). The antibody of Claim 29 which is monoclonal.

36 (Previously presented). The antibody of Claim 29 which is humanized.

37 (Previously presented). The antibody of Claim 29 which is bispecific.

38 (Previously presented). The antibody of Claim 29 which is heteroconjugated.

39 (Currently amended). A purified antibody which specifically binds to a patched-2 polypeptide (1) having greater than 91% sequence identity to the human patched-2 polypeptide of Figure 1 (SEQ ID NO:2) as measured by BLAST 2 set to the default parameters or to a variant thereof having from 1 to 5 conservatively substituted, added or deleted amino acid residues, and (2) which binds to Smoothened polypeptide. [page 49, lines 33-36]

40 (Currently amended). The antibody of Claim 39, wherein the patched-2 polypeptide comprises amino acid residues 1 to 1203 of ~~Figure 1~~ (SEQ ID NO:2).

41 (Currently amended). The antibody of Claim 39, wherein the ~~sequence identity is at least 92%~~ variant has one conservatively substituted, added or deleted amino acid residue.

42 (Currently amended). The antibody of Claim ~~39~~41, wherein the ~~sequence identity is at least 93%~~ variant has one added or deleted amino acid residue.

43 (Currently amended). The antibody of Claim ~~39~~41, wherein the ~~sequence identity is at least 95%~~ variant has one conservatively substituted amino acid residue.

44 (Previously presented). The antibody of Claim 39 which is polyclonal.

45 (Previously presented). The antibody of Claim 39 which is monoclonal.

46 (Previously presented). The antibody of Claim 39 which is humanized.

47 (Previously presented). The antibody of Claim 39 which is bispecific.

48 (Previously presented). The antibody of Claim 39 which is heteroconjugated.

49 (Currently amended). A purified antibody which specifically binds to the *patched-2* polypeptide encoded by the human cDNA insert of the polynucleotide deposited under ATCC 209779. ~~[page 49, lines 33-36]~~

50 (Previously presented). The antibody of Claim 49 which is polyclonal.

51 (Previously presented). The antibody of Claim 49 which is monoclonal.

52 (Previously presented). The antibody of Claim 49 which is humanized.

53 (Previously presented). The antibody of Claim 49 which is bispecific.

54 (Previously presented). The antibody of Claim 49 which is heteroconjugated.